

FIG. 1

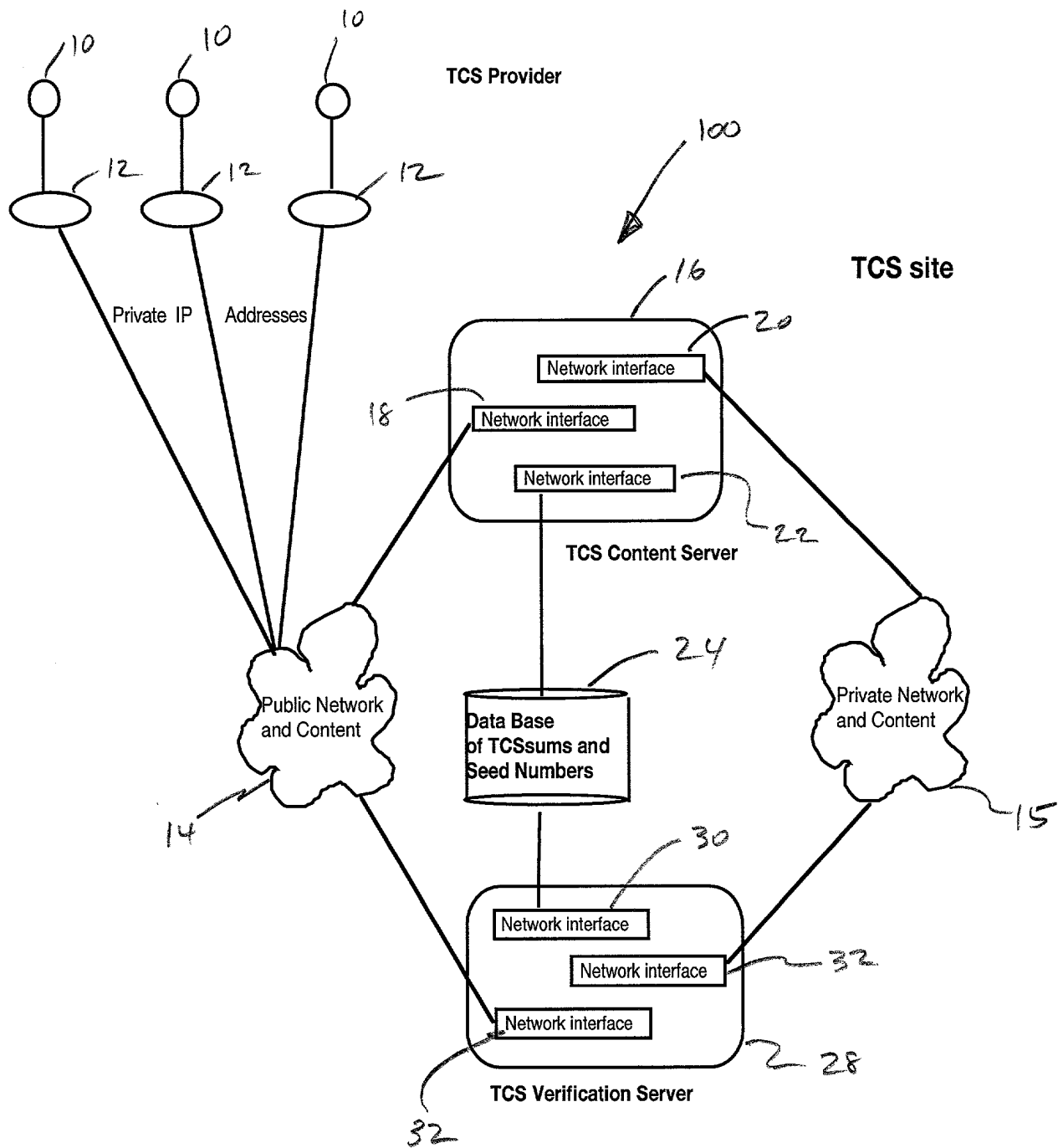
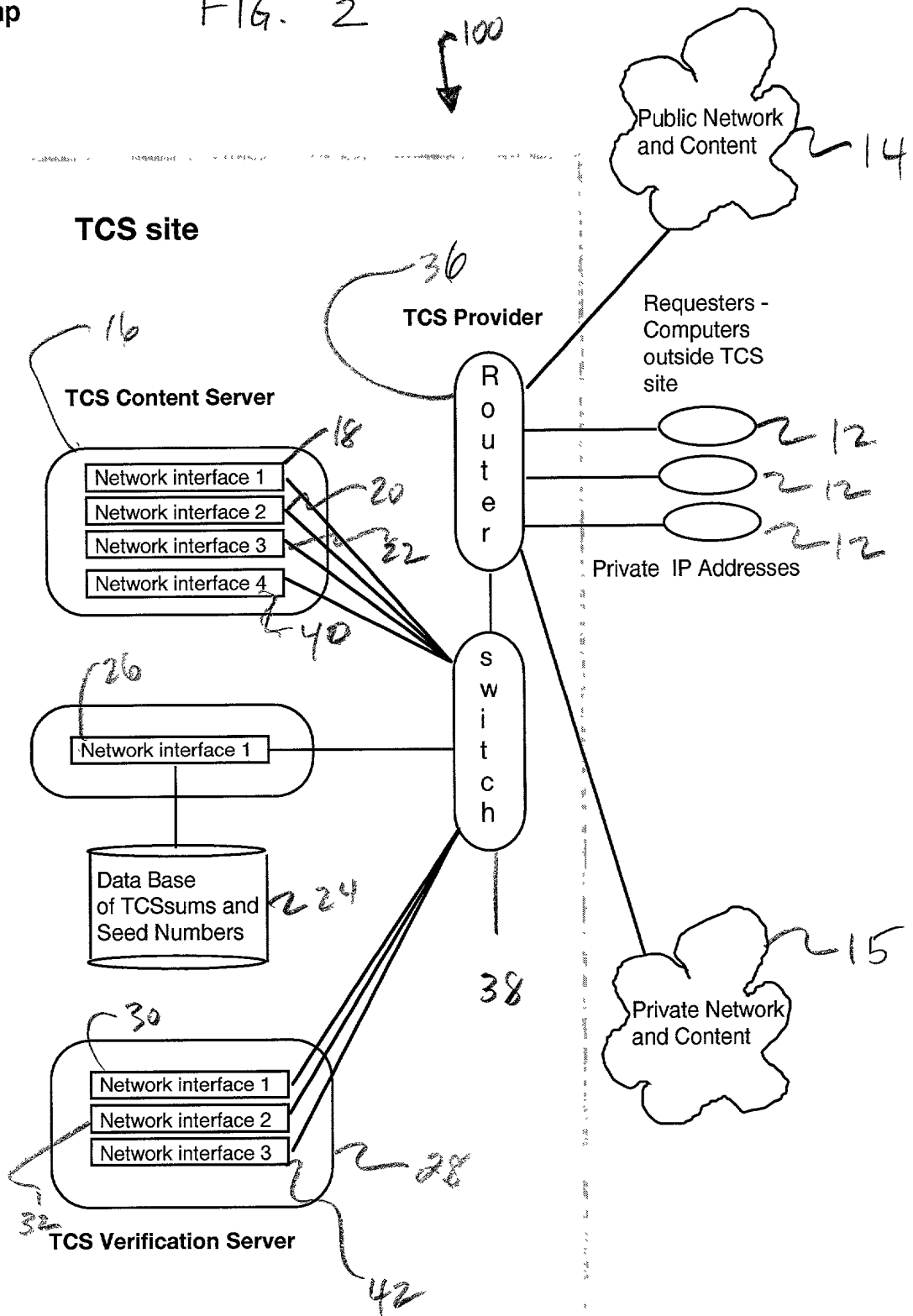


FIG. 1

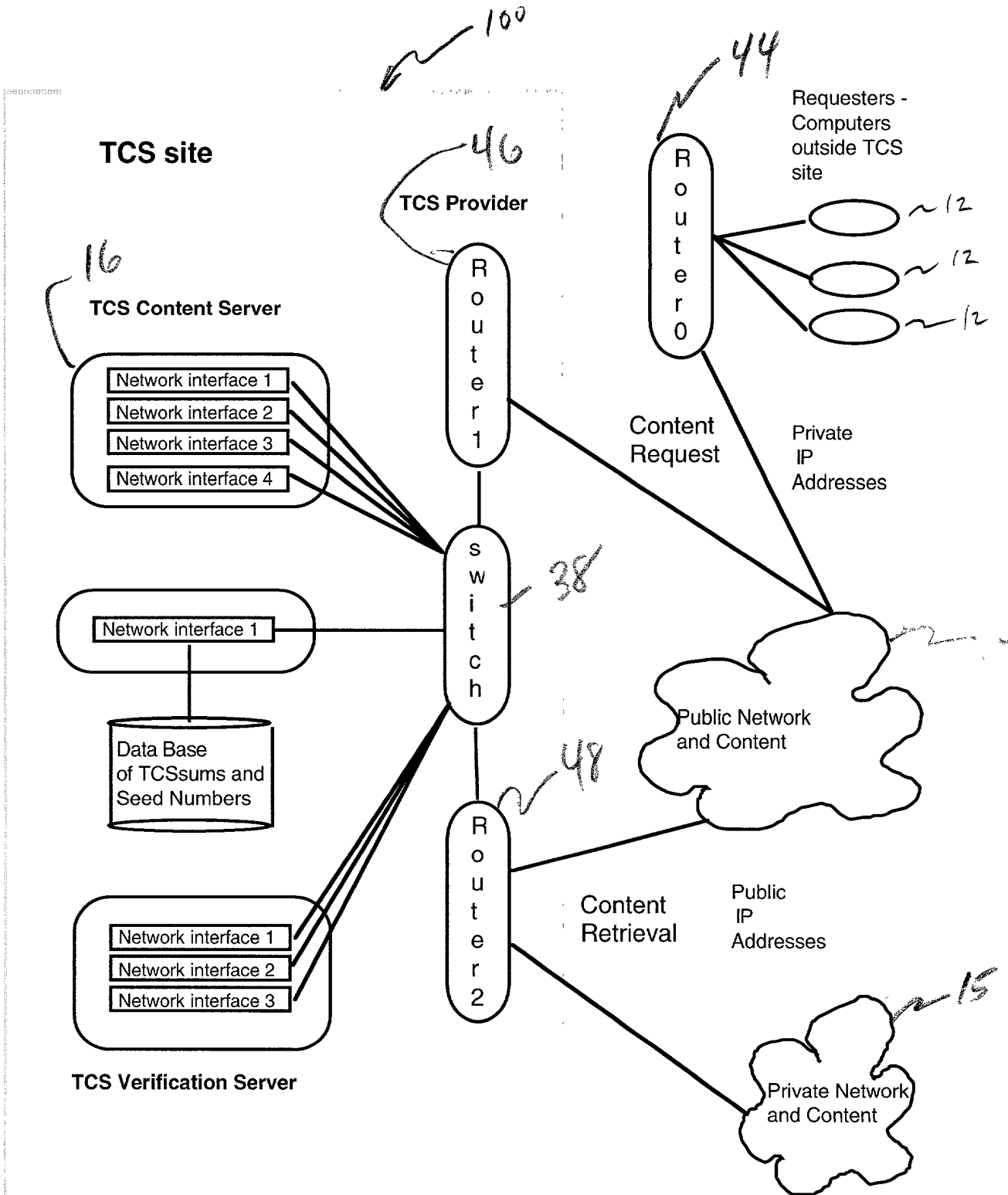
TCS Site Map

FIG. 2



TCS Site Map

FIG. 3



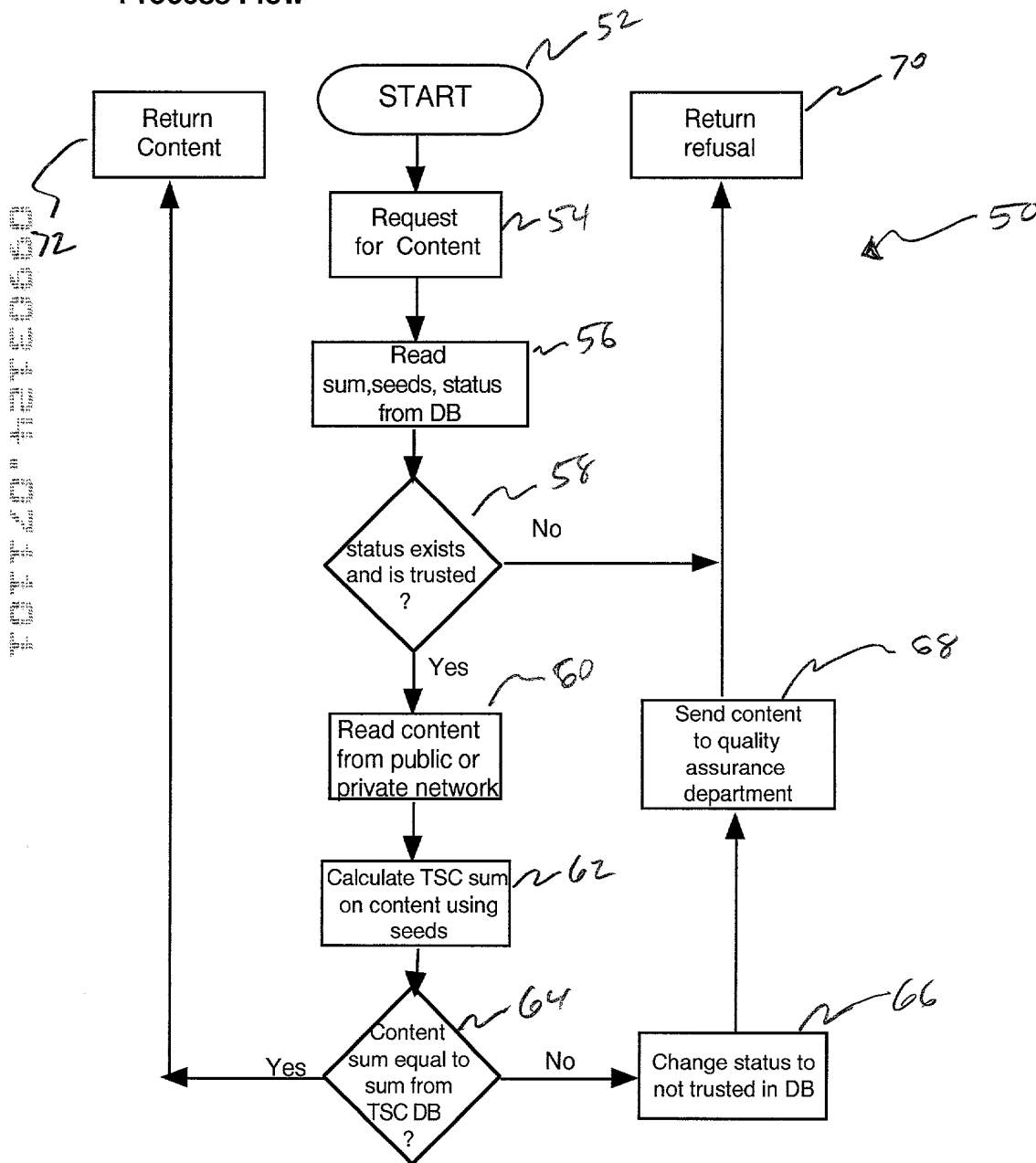
Trusted Content Service

TCS Content Server

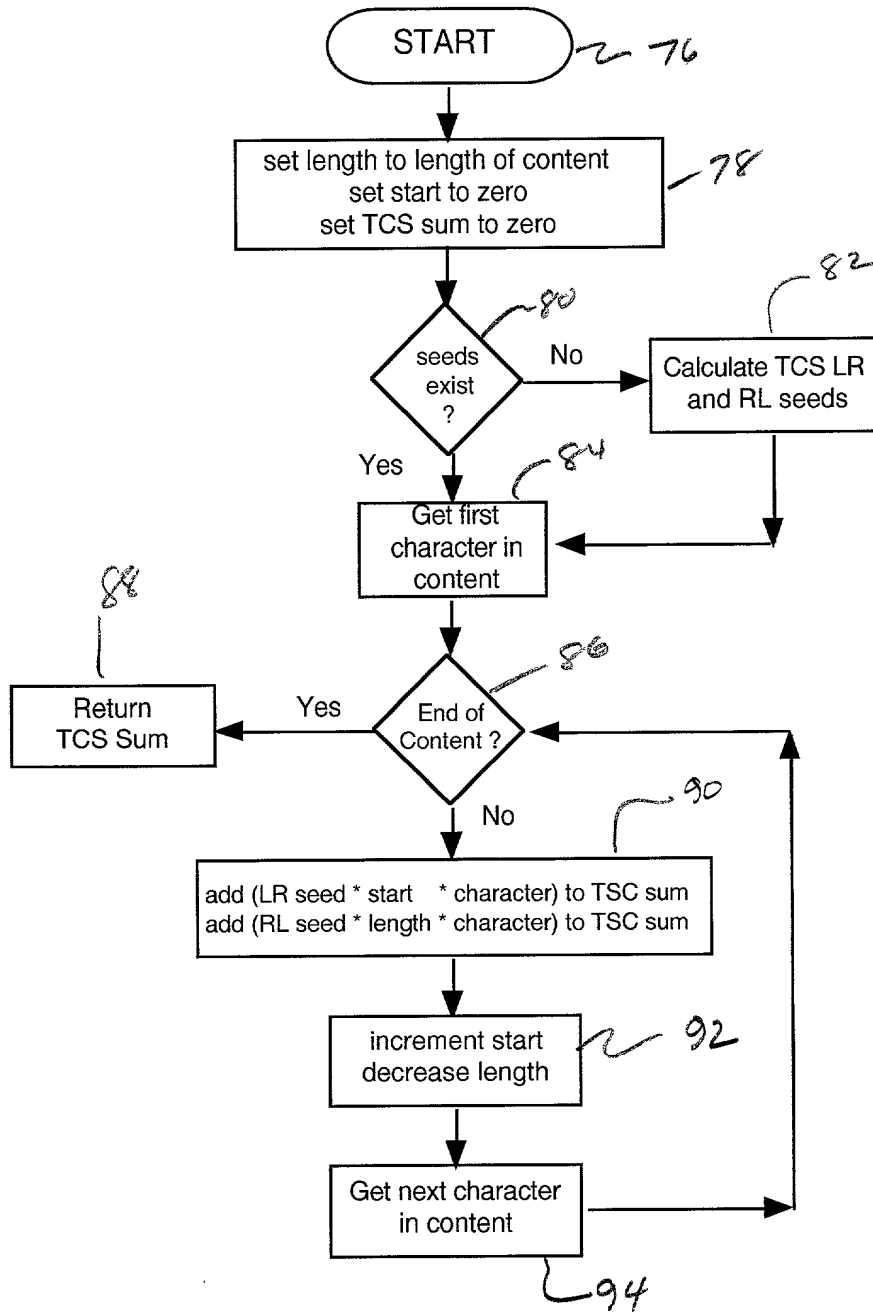
~~FIG. 3~~
FIG. 4

The Content Server is a separate computer with four network interface cards (NICs). It receives requests for content from the TCS Provider and either sends the content back or refuses the request based on verification of the content. The separate NICs allows the Content Server to control all flow of data.

Process Flow



Process Flow



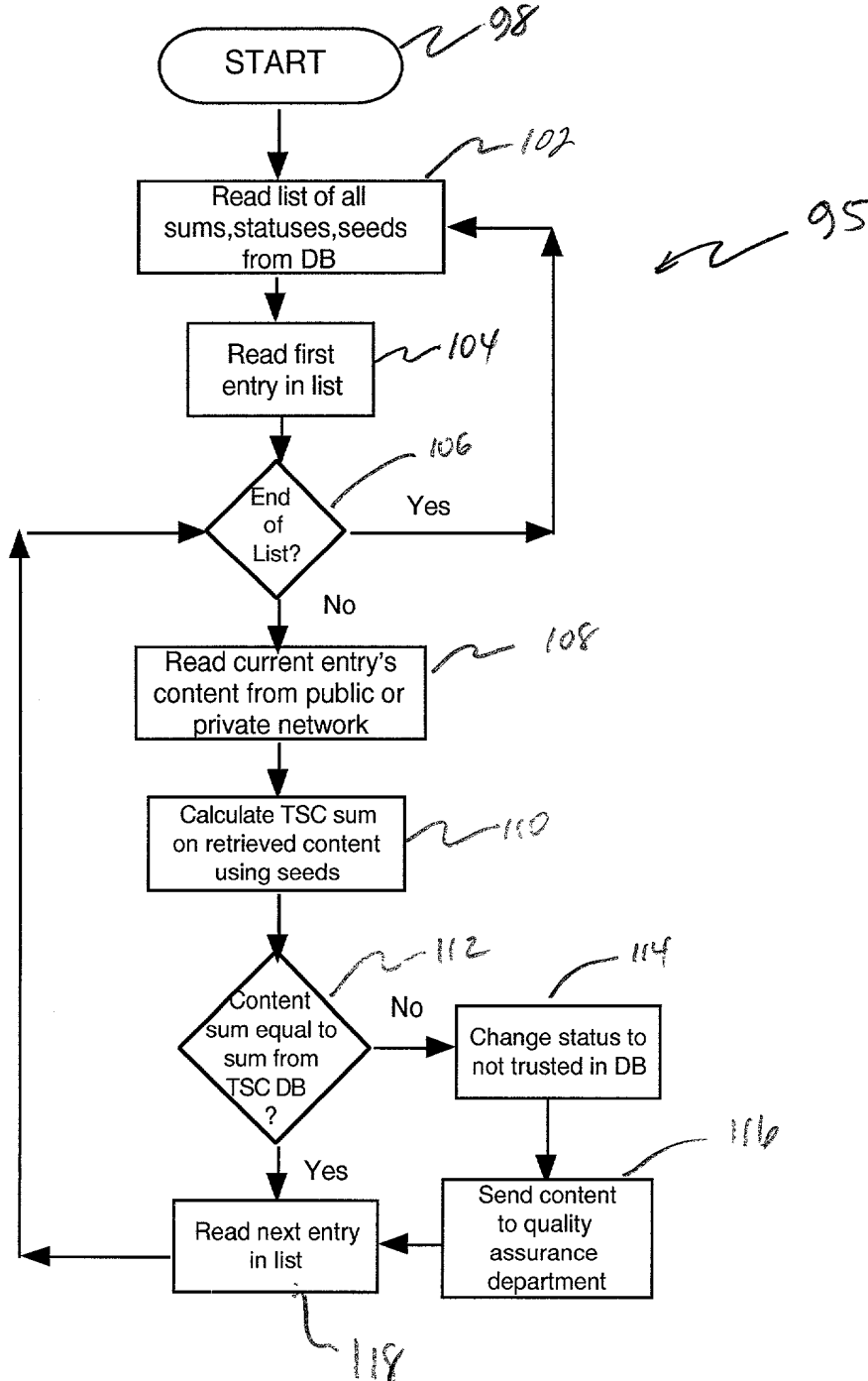
Trusted Content Service

FIG. 6

TCS Verification Server

The Verification Server constantly cycles through the database and verifies that the content in the public and private networks matches the information stored within the database. If a difference is found the database is updated with a not trusted status for the content and it is send to quality assurance for review.

Process Flow



TCS Database

The TCS Database stores TCS sum values, statuses, and seed numbers for all content considered trusted. The values are stored by TSC ID for easy access. All content identifiers (location e.g., URL) are cross referenced to TSC IDs via the TCS ID Table.

TCS Database Layout

TCS Content Table

122 *	TSC ID	integer
124 *	TSC SUM	integer
126 *	TSC STATUS	character
128 *	TSC LR SEED	integer
130 *	TSC RL SEED	integer

✓ 105

TCS Content ID Table

132 *	TSC ID	integer
134 *	TSC ID SEQ	integer
136 *	Content ID	character

✓ 115

*** Table Key**